**Math Lesson Plan**

**Unit 1 – Date: September 6th and 7th**

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| **Unit Essential Question(s)** | How can we generate equivalent expressions?  How are variables used in mathematics? | | |
| **Common Core Standard:** | 6.EE.2c | | |
| **Bloom’s/ DOK** | Perform (apply-3) (DOK1) | | |
| **Learning Target(s)**  “I can…” Statements | * I can apply the order of operations.   Ex: 3+2²-5 = 36 + 8 – 7 x 11 | | |
| **Essential Vocabulary** | **Exponents, sum, product, quotient, difference, simplify, base, distributive property, solve, evaluate, PEMDAS, OPSCOTCH, For Looking Rough**  **Parentheses**  **Exponents**  **Multiply and Divide**  **Add and Subtract** | | |
| **Resources and Materials** | **Teacher** | | **Technology** |
| **Glencoe 1-5 pg. 24-25**  **MathScool lesson 1.1**  **Holt 1-4 pg. 22** | | [Representing the Dimensions & Area of a Rectangle](https://gems.gcsnc.com/lvcontentitems_41/lvContentItems_41/DispForm.aspx?ID=144&source=/_layouts/LearningVillage/CloseDialog.aspx)  <http://www.teach-nology.com/worksheets/math/order/ops18.pdf> |
| **8 Mathematical Practices:** | | | |
| * 1. Make sense of problems and persevere in solving them. | | * 6. Attend to precision. | |
| **Bell ringer** | **Warm-up overhead**  **Homework Review** | | |
| **Activating Strategy**  (Opening Activity) | **Day One:**  **Place on board, students try different methods to reach the expected outcome:**  **8 ÷ 1+3 x 5² - 2 =**  **OR Cloud Activity pg. 24 Bell ringer Glencoe**  **Day Two:**  **Short quiz, order of operations** | | |
| **Cognitive Teaching Strategies** | **Foldable for PEMDAS.**  **Review from Glencoe 24-25.**  **Day Two:**  **Order of operations calendar.**  **Introduce Vocabulary(See next lesson plan)** | | |
| **Summarizing Strategy**  (Closing Activity) | **Day One: Chat about the two big mistakes students make when solving using the order of operations.** | | |
| **Assessment** | | **Homework** | |
| **Note card quick one problem question, use to group next day.** | | **Glencoe Pg. 26 #14-31** | |
| **Re-teaching Plan** | **Re-teaching exponents from lesson one on day two in small groups.** | | |